

Amendments to the Claims:

Claims 6-11 and 14-16 are withdrawn. This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

1.(original) A swivel adapter operable by a user comprising:

 a base having a first side facing in an outward direction away from the swivel adapter and a pivot surface extending from the first side in the outward direction;

 a center adapter mounted for pivoting motion on the pivot surface and having a first device connector facing in the outward direction;

 a clamp having a clamp operator operable

 to clamp the center adapter on the pivot surface at a desired orientation with respect to the base, and

 unclamp the center adapter from the pivot surface, thereby allowing the center adapter to rotate with respect to the pivot surface.

2.(original) The swivel adapter of claim 1 wherein the pivot surface is on a cylindrical boss and the center adapter has a split bore mountable over the cylindrical boss.

3.(currently amended) The swivel adapter of claim 2 wherein the clamp comprises:

 a handle pivotally connected to the center adapter on one side of the split bore;

 a rocker ~~comprising one end~~ pivotally connected to the center adapter on an opposite side of the split bore, ~~the rocker having a first shoulder at an opposite end;~~

a rod ~~having one end~~ pivotally connected to the handle, the rocker and the rod operatively connected so as to span the split bore and also to define oppositely directed first and second shoulders ~~and a second shoulder at an opposite end;~~ and

biasing means disposed between the first shoulder and the second shoulder for facilitating movement of the clamp operator from a clamped orientation to an unclamped orientation.

4.(currently amended) The swivel adapter of claim 3 wherein the rocker further comprises means for variably adjusting the biasing means, thereby to vary the force needed to move the clamp operator from clamped to unclamped ~~an adjuster threadedly connected to the rocker and having an internal bore housing the first shoulder and the biasing means; the adjuster being rotatable to vary a force provided by the biasing means.~~

5.(original) The swivel adapter of claim 4 wherein the biasing means comprises a plurality of Belville springs.

6.(withdrawn) The swivel adapter of claim 1 further comprising:
a threaded member extending in the outward direction beyond the pivot surface; and
a knob disposed against a side of the center adapter and extending in the outward direction, the knob being engageable with the threaded member, whereby tightening the knob on the threaded member locks the center adapter against the base at a desired orientation and loosening the knob releases the center adapter to be pivotable on the pivot surface.

7.(withdrawn) The swivel adapter of claim 6 further comprising:

 a second device connector on the center adapter and facing the base; and

 a third device connector on the base and facing the second device connector, the second and third device connectors engaging in response to the knob being tightened, and the second and third device connectors disengaging in response to the knob being loosened.

8.(withdrawn) The swivel adapter of claim 7 wherein the first device connector, the second device connector and the third device connector are starburst connectors.

9.(withdrawn) The swivel adapter of claim 8 wherein the pivot surface is on a cylindrical boss and the center adapter has a bore mountable over the cylindrical boss.

10.(original) The swivel adapter of claim 9 further comprising a screw extending through the knob, the cylindrical boss and the base, the screw adapted to thread into a device connector supported by the swivel adapter.

11.(withdrawn) The swivel adapter of claim 10 wherein the base, center adapter and clamp are made of radiolucent materials.

12. (currently amended) A swivel adapter connectable to, and extending outward from, a head support comprising:

 a base ~~comprising~~ comprising:

a first side facing in an outward direction away from the swivel adapter, and
a pivot surface extending from the first side in the outward direction;
a center adapter ~~comprising~~ comprising:
a split bore mountable for pivoting motion on the pivot surface, and
a device connector facing in the outward direction;
a clamp comprising
a handle pivotally connected to the center adapter on one side of the split bore,
a rocker ~~comprising~~
~~one end~~ pivotally connected to the center adapter on an opposite side of the split bore,
and
~~a first shoulder at an opposite end of the rocker;~~
a rod ~~comprising~~
~~one end~~ pivotally connected to the handle, ~~and~~
~~a second shoulder at an opposite end of the rod~~ the rocker and the rod operatively
connected so as to span the split bore and also to define oppositely directed first and
second shoulders; and
a biasing means disposed between the first shoulder and the second shoulder for
facilitating movement of the clamp operator from a clamped orientation to an unclamped
orientation, the handle being operable to clamp the center adapter on the pivot surface at a
desired orientation with respect to the base, and unclamp the center adapter from the pivot
surface, thereby allowing it the center adapter to rotate with respect to the pivot surface.

13.(original) The swivel adapter of claim 12 wherein the biasing means is a plurality of Bellevue springs.

14.(withdrawn) A swivel adapter operable by a user comprising:

 a base comprising

 a first side facing in an outward direction away from the swivel adapter, and

 a pivot surface extending from the first side in the outward direction;

 a threaded member extending in the outward direction beyond the pivot surface;

 a center adapter mountable for pivoting motion on the pivot surface and comprising

 a first side extending in the outward direction and an opposite side facing the first side of the base,

 a first device connector facing in the outward direction;

 a knob disposed against the first side of the center adapter and engageable with the threaded member, whereby tightening the knob on the threaded member locks the center adapter against the base at a desired orientation and loosening the knob releases the center adapter to be pivotable on the pivot surface.

15.(withdrawn) The swivel adapter of claim 14 further comprising:

 a second device connector on the base and facing in the outward direction; and

 a third device connector on the center adapter and engageable with the second device connector upon the knob being tightened.

16.(withdrawn) The swivel adapter of claim 14 wherein the base, center adapter, and the knob are made of radiolucent materials so that the swivel adapter is radiolucent.

17.(currently amended) A base unit handle connectable to a shaft and a bar comprising:
a body having first and second split bores adapted to receive the shaft and the bar, respectively;
a clamping mechanism connected to the body and being operable to clamp and unclamp the first and second split bores on the respective shaft and bar, the clamping mechanism ~~comprising~~ comprising:

a rod having one end connected to the body,
a closing handle, and
~~linkage~~ a linkage connected between one end of the rod and one end of the closing handle and providing a mechanical advantage in transferring a force being applied ~~to~~ from the closing handle to the rod.

18.(currently amended) The base unit handle of claim 17 wherein the linkage further ~~comprising~~ comprises:

a transfer link having one end pivotally connected to the closing handle;
a cam link having
one end pivotally connected to an opposite end of the transfer link; and
an opposite end pivotally connected to the rod.

- 19.(currently amended) An apparatus connectable to a surgical table comprising:
- a generally U-shaped frame having a crossbar and adapted to be connected to the surgical table;
 - a transitional arm having a shaft on one end;
 - a base unit handle ~~comprising~~ comprising:
 - a body having a first split bore connectable to the crossbar and a second split bore connectable to the shaft on the transition arm;
 - a clamping mechanism connected to the body and being operable to apply a clamping force simultaneously to the first split bore and the second split bore, the clamping mechanism ~~comprising~~ comprising:
 - a cam rod having one end connected to the body,
 - a closing handle, and
 - a linkage connected between one end of the cam rod and one end of the closing handle and providing a mechanical advantage in transferring a force being applied ~~to~~ from the closing handle to the cam rod, thereby providing a greater clamping force with the closing handle than would be produced without the linkage.

20.(currently amended) An apparatus for supporting a head support at one end of a table comprising:

 a swivel adapter operable by a user comprising:

a base having a first side facing in an outward direction away from the swivel adapter, and

 a pivot surface extending from the first side in the outward direction;

 a device connector adapted to be connected to the head support,

 a center adapter mounted for pivoting motion on the pivot surface and having a first device connector facing in the outward direction,

 a clamp having a clamp operator operable

 to clamp the center adapter on the pivot surface at a desired orientation with respect to the base, and

 unclamp the center adapter from the pivot surface, and

 a sleeve adapter connected to a lower end of the base;

 a transitional arm having an upper end connectable to the sleeve adapter and having a shaft on a lower end;

 a generally U-shaped frame having a crossbar and adapted to be connected to the table; and

 a base unit handle ~~comprising~~ comprising:

 a body having a first split bore connectable to the shaft of the transitional arm and a second split bore connectable to the crossbar,

a clamping mechanism connected to the body and being operable to clamp and unclamp the first split bore and the second split bore on the shaft and crossbar, respectively, the clamping mechanism ~~comprising~~ comprising:

a rod having one end connected to the body,

a closing handle, and

a linkage connected between one end of the rod and one end of the closing handle and providing a mechanical advantage in transferring a force being applied ~~to~~ from the closing handle to the rod.